



1/3

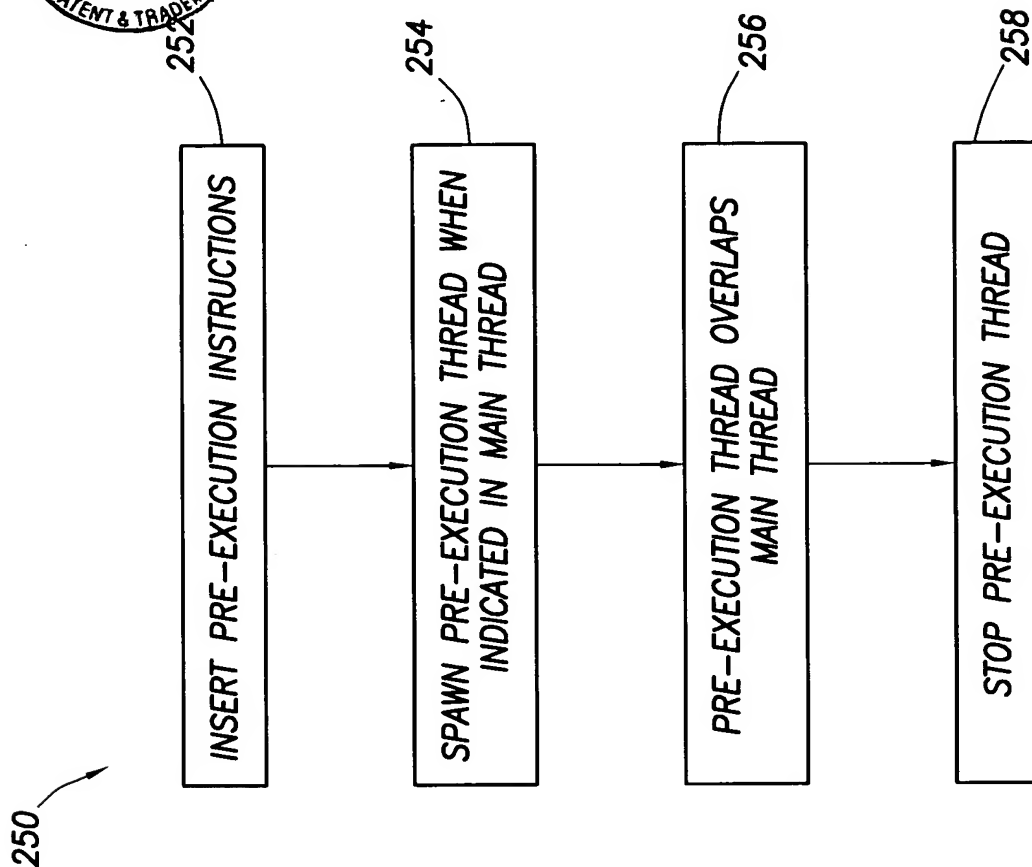


FIG.4

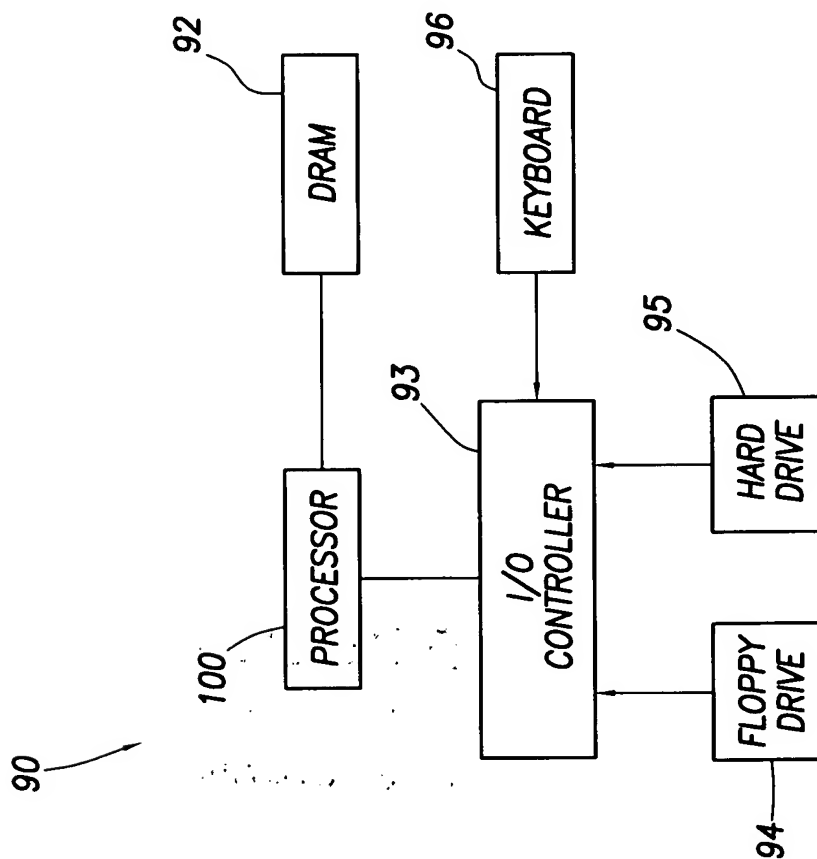


FIG.1



2/3

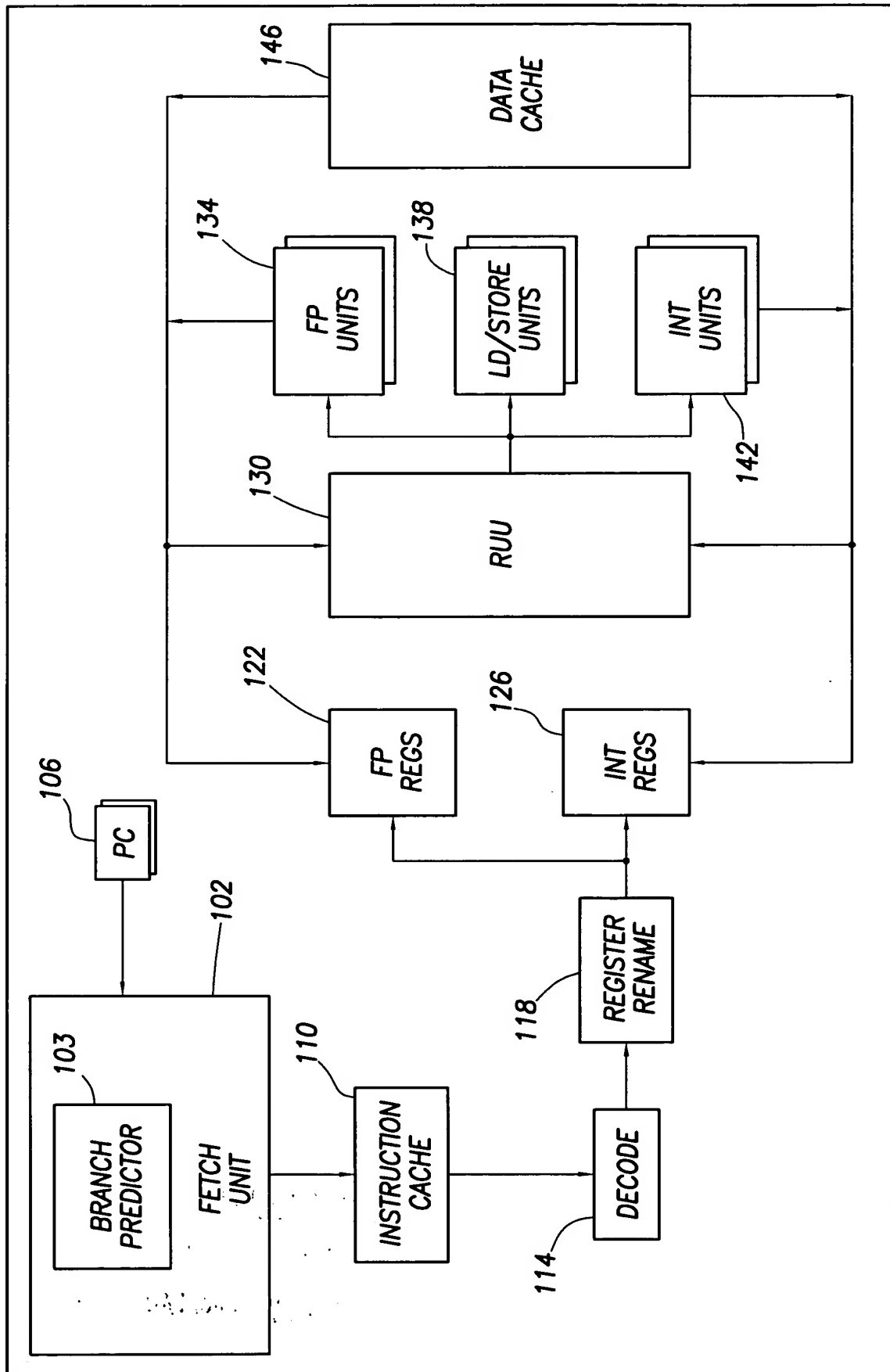


FIG. 2

100



3/3

THE ORIGINAL PROGRAM

```
main()  
{  
    ...  
    // traverse first list  
    list_1 = head_1;  
    while (list_1){  
        list_1 = list_1->next;  
    }  
    ...  
    // traverse second list  
    list_2 = head_2;  
    while (list_2){  
        list_2 = list_2->next;  
    }  
}
```

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THE PROGRAM WITH PRE-EXECUTION

```
main()  
{  
    ...  
    PreExecute_Start(LIST2);  
    // traverse first list  
    list_1 = head_1;  
    while (list_1){  
        list_1 = list_1->next;  
    }  
    ...  
LIST2: // a label  
    // traverse second list  
    list_2 = head_2;  
    while (list_2){  
        list_2 = list_2->next;  
    }  
    PreExecute_Stop();  
}
```

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FIG.3